Mountain Weather Forecast

Peak District National Park

Forecast valid from 00:00 on Thursday 24 Aug 2023 until 23:59 on Friday 25 Aug 2023

Forecast Issued on Wednesday 23 Aug 2023 at 15:24

Confidence: High confidence for the main story, with a cool showery theme developing on Thursday. Low confidence with regards to the distribution and timing of heaviest showers.

Headline for Thursday 24 Aug 2023: Rain and drizzle in the morning, but brightening up in the afternoon.

Mountain weather hazards on Thursday 24 Aug 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** No Likelihood	**Poor visibility** High Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Cloudy	Dull	Light rain	Drizzle	Drizzle	Cloudy	Sunny	Clear night
Precipitation probability							
30%	50%	70%	80%	60%	20%	00%	00%

Forecast for Thursday 24 Aug 2023

Weather: A band of cloud and rain is going to sink south-eastwards, reaching the park at the end of the night. The rain will be mostly light but prolonged and accompanied by banks of low cloud and outbreaks of drizzle through the morning. Conditions will brighten up during the afternoon, any rain soon clearing east followed by sunny spells developing widely across the park later and into the evening.

Chance of cloud-free hill tops above 600m: 10% at first increasing to 90% or more by midday.

Low cloud and visibility: Banks of low cloud are expected to lie across the Peaks through the morning, with cloud as low as 300m, perhaps lower in the far west and in any drizzly outbreaks. There is low confidence about the clearance time, the cloud perhaps hanging around until early afternoon whilst giving poor to very poor visibilities. Becoming generally good to very good from mid-afternoon onwards.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Forecast for Thursday 24 Aug 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	12/17 SW	12/17 SW	11/14 SW	9/12 W	11/16 W	15/20 W	13/18 W	10/16 W	10/16 W
300	7/12 S	8/13 S	7/12 SW	7/10 W	9/13 W	13/19 W	10/16 W	7/13 W	8/13 SW
Valley	3/11 SE	4/13 S	4/11 SW	5/10 W	8/14 W	11/20 W	8/17 W	4/11 W	4/10 SW

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	14/12	14/12	13/11	13/11	12/10	13/10	12/9	9/7	9/6
300	17/16	16/15	15/14	15/14	15/14	15/13	14/12	12/10	11/9
Valley	16/17	16/16	15/15	15/15	16/15	16/14	15/13	11/11	10/10
Freezing Level*	3000m	3000m	3000m	2600m	2500m	2600m	2100m	1800m	1900m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Some poor conditions in the morning requiring good navigational skills. Much more pleasant in the afternoon.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
14:00 on Tue 22 Aug 2023	2.2mm	2.2mm	2.4mm

Forecast for Friday 25 Aug 2023

Weather: Breezy with sunny spells and showers, these heavier and more frequent at the end of the afternoon. Showers persisting for a time during the evening before slowly dying away. Slightly cooler.

Maximum wind: West to Southwest 15mph with gusts up to 25-28mph.

Chance of cloud-free hill tops above 600m: 60-70% becoming 90% or more in the afternoon. Down to 70-80% in the evening.

Low cloud and visibility: Mediocre at height, with patches of low cloud around 500-600m during the morning, but good to very good at lower levels. Cloud lifting above summits in the afternoon but temporarily down to 600m in any heavy showers, particularly later.

Temperature: **Valleys:** Plus 11 Celsius to plus 18 Celsius.
At 600m: Plus 07 Celsius to plus 12 Celsius.
Freezing level: Above summits

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